

CLAIMS

1. A micelle-containing composition comprising
at least a micelle of an amphipathic block polymer, a
polymer precursor and a dispersion medium therefor,
5 wherein the micelle contains a functional material
therein.

2. The composition according to claim 1,
wherein said micelle is a reverse micelle.

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3. The composition according to claim 1,
wherein the functional material is an inorganic oxide.

4. The composition according to claim 1,
15 wherein the polymer precursor is a substance curable
with light or heat.

5. The composition according to claim 1,
wherein the block polymer comprises three or more
20 block segments.

6. The composition according to claim 1,
wherein the block polymer is a high polymer having a
repeating unit structure of polyvinyl ether.

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7. A thin film being a cured product of a
micelle-containing composition, wherein the

composition comprises at least a micelle of an amphipathic block polymer, a polymer precursor and a dispersion medium therefor, and the micelle contains a functional material.

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8. The thin film according to claim 7, wherein the thin film is formed on a substrate.

9. A method for producing a thin film, the
10 method comprising the steps of:
forming on a substrate a layer of a composition; and
curing the composition layer,
wherein the composition comprises at least a micelle
15 of an amphipathic block polymer and a polymer precursor in a dispersion medium thereof, and said micelle contains a functional material.

10. The method according to claim 9, wherein
20 the curing step is carried out using heat and light.